

Flood Control Project Maintenance
Levee Inspections
Levee Log Report By Levee Mile - Updated 8/23/2021

Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	Luz Dial

Entry No	Levee Mile		Category	Item	Location	Comment	Source
	Start	End					Permits

48	3.40	4.13	Fence	Barbed Wire	Land Side	Barbed wire fence 5 feet from LS toe Entry Last Updated : 2/21/2020	LEEVELOG
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1	3.41	3.41	Fence	Chain Link	Crown	Cross fence, metal drive gate. Entry Last Updated : 2/4/2020	LEEVELOG
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2	3.51	3.51	Ramp	Ramp	Water Side and Land Side	Ramp on both slopes. Gate at landward ramp toe. (ABO No.11463-Weger) Entry Last Updated : 10/25/2017	H_LL_GENERAL 11463
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211	3.55	3.55	Gate	Chain Link	Land Side	Gate at LS toe on LS ramp Entry Last Updated : 11/29/2017	LEEVELOG
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52	3.59	3.59	Structure	Sign	Water Side	MA 17 mile marker 3.5 on WS hinge. Entry Last Updated : 11/29/2017	USACEINSPECT
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3	3.61	3.61	Aerial	High Voltage	Crossing	High tower power line crosses the levee. (ABO No.11474-PG&E) Entry Last Updated : 10/25/2017	H_LL_GENERAL 11474
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212	3.64	3.64	Structure	Tower	Land Side	Power tower concrete footings within 10 feet of LS toe Entry Last Updated : 1/27/2020	LEEVELOG 11474
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53	3.65	3.65	Fence	Barbed Wire	Land Side	Levee cross fence. 3 strand barbed wire fence on t-posts on LS slope. 6 inch dia wooden gate post on concrete base on LS hinge; no gate. MA 17 mile marker on WS hinge. 2 t-posts with barbed wire on WS slope. Entry Last Updated : 1/27/2020	USACEINSPECT
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5	3.95	3.95	UCIP	Pipe	Crossing	DS_ID:844 EP_NO: 11463 Crossing Status: Found FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Timber walkway on the landside (LS) slope to a timber walkway to pump house mounted on piles in drainage ditch. (24-inch pipe [HLM 3.99] authorized under Automatic Board Order (ABO) issued as Permit No. 11463, 1975 - Audrey Jones). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.99). USACE Sacramento O&M Manual, Unit 506 Part 2 (SAC506.2), August 1961, Revised 25 May 2011, (HLM 3.99), listed as 24-inch CMP]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11463
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213	4.03	4.03	Structure	Pole - Utility	Land Side	Power pole on LS slope Entry Last Updated : 2/21/2020	LEEVELOG
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Sutter Maintenance Yard Maintenance Area 0017

Waterway							Bank	Unit Miles	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek							Left	3.87	Luz Dial
Entry No	Levee Mile		Category	Item	Location	Comment	Source		
	Start	End					Permits		
214	4.03	4.16	Aerial	High Voltage	Land Side	Power lines within 15 feet of LS toe Entry Last Updated : 2/21/2020	LEVEELOG		
6	4.04	4.04	Ramp	Ramp	Land Side	Turnout on the landward side and ramp on landward slope. Entry Last Updated : 10/25/2017	H_LL_GENERAL		
9	4.13	4.13	Structure	Transformer	Land Side	Three power poles with transformers on the landward slope. (ABO Nia.11474-PG&E).; Check permit status.; Monitor Entry Last Updated : 10/25/2017	USACEPI		
215	4.13	4.13	Structure	Pad	Land Side	Concrete structure topped with steel grates Entry Last Updated : 2/21/2020	LEVEELOG		
7	4.13	4.13	UCIP	Pipe	Crossing	DS_ID:845 EP_NO: 11464 Crossing Status: Found FIELD_STRUCT_DESC: [Bloody Island Pumping Plant] 1 of 2: 42-inch corrugated metal drainage pipe through the levee, 20.2 feet below the crown. Concrete headwall and discharge apron on the waterside (WS) shoulder. Three vertical pump units mounted on a reinforced concrete pump platform in drainage ditch at the landside (LS) toe. Flap gates in concrete discharge well on the LS. Combination flap and slide gate on a gravity pipe from drainage ditch into discharge well. (two 42-inch pipes [HLM 4.18] authorized under Automatic Board Order (ABO) issued as Permit No. 11464, 1975 - Lake County). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.17). USACE Sacramento O&M Manual, Unit 506, Part 1 (SAC506.1) April 1961, and Part 2 (SAC506.2) August 1961, Revised 25 May 2011, (HLM 4.18), two 42-inch CMP -- referred to as Bloody Island Pumping Plant]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11464		
216	4.14	4.14	Structure	Pump Station	Land Side	Pump station concrete abutment fence and associated structures on LS slope and rock revegetment Entry Last Updated : 11/29/2017	LEVEELOG		

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Waterway	Bank	Unit Miles	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	Luz Dial

Entry No	Levee Mile		Category	Item	Location	Comment	Source
	Start	End					Permits

8	4.14	4.14	UCIP	Pipe	Crossing	DS_ID:852 EP_NO: 11464 Crossing Status: Found FIELD_STRUCT_DESC: [Bloody Island Pumping Plant] 2 of 2: 42-inch corrugated metal drainage pipe through the levee, 14.6 feet below the crown. Concrete headwall and discharge apron on the waterside (WS) shoulder. Three vertical pump units mounted on a reinforced concrete pump platform in drainage ditch at the landside (LS) toe. Flap gates in concrete discharge well on the LS. Combination flap and slide gate on a gravity pipe from drainage ditch into discharge well. (two 42-inch pipes [HLM 4.18] authorized under Automatic Board Order (ABO) issued as Permit No. 11464, 1975 - Lake County). [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.17). USACE Sacramento O&M Manual, Unit 506, Part 1 (SAC506.1) April 1961, and Part 2 (SAC506.2) August 1961, Revised 25 May 2011, (HLM 4.18), two 42-inch CMP -- referred to as Bloody Island Pumping Plant]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11464
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217	4.14	4.14	Structure	Gauge	Water Side	River stage gauge on WS toe Entry Last Updated : 2/21/2020	LEVEELOG
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10	4.14	4.14	Ramp	Ramp	Land Side	Graveled patrol road with metal drive gate on landside of levee. This portion of levee for the next 3.10 miles was completed in December 1966 and turned over to the local district for maintenance with the following conditions: "The conditional acceptance provides that Lake County Flood Control and Water Conservation District will perform ordinary maintenance and flood fighting and patrolling of the above facilities. The United States Army Corps of Engineers will perform any extraordinary maintenance required including, but not restricted to, correction of major bank caving or levee settlement. After a six year period, the condition and stability of the levees and banks involved will be reexamined to determine if further federal commitment is warranted. Note: Levee is not accessible to vehicular traffic. Use patrol road beginning opposite Levee Mile 4.23 Entry Last Updated : 10/25/2017	H_LL_GENERAL
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11	4.16	4.16	Ramp	Ramp	Land Side	Access ramp and turnout on LS slope. Ramp provides access to Bloody Island Pumping Plant. Ramp is 10 ft wide and gravel surfaced; cuts into levee 12 inches. Turnout is 25 ft wide and gravel surfaced. T-post adjacent to ramp. Entry Last Updated : 2/21/2020 Ramp on landward slope. Post on landward shoulder. (ABO No.11464-Lake County. Entry Last Updated : 10/25/2017	H_LL_GENERAL 11464
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Waterway							Bank	Unit Miles	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek							Left	3.87	Luz Dial
Entry No	Levee Mile		Category	Item	Location	Comment	Source		
	Start	End					Permits		
12	4.16	4.16	Structure	Pole - Utility	Land Side	Power pole with guy wire anchor on the landward slope. (ABO No.11474-PG&E) Entry Last Updated : 10/25/2017	H_LL_GENERAL 11474		
218	4.16	4.16	Fence	Barbed Wire	Water Side	Barbed wire cross fence on WS slope Entry Last Updated : 2/21/2020	LEVEELOG		
220	4.17	4.17	Ramp	Ramp	Land Side	Ramp from levee crown to LS patrol road Entry Last Updated : 2/21/2020	LEVEELOG		
222	4.19	5.91	At Grade	Road / Highway	Land Side	Levee patrol road on LS toe Entry Last Updated : 2/21/2020	LEVEELOG		
221	4.19	4.19	Structure	Pole	Crown	Two poles on crown blocking access to crown. Entry Last Updated : 2/21/2020	LEVEELOG		
15	4.27	4.27	UCIP	Pipe	Crossing	DS_ID:846 EP_NO: 11462 Crossing Status: Found FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 19 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. (24-inch drainpipe [HLM 4.31] authorized under Automatic Board Order (ABO) issued as Permit No. 11462, 1975 - Hobson) [Additional Reference(s): DWR Levee Log, 2005 (HLM 4.31)]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11462		
16	4.78	4.78	Aerial	High Voltage	Crossing	SYS_DESC:TO INSTALL A 12 KV LINE ACROSS CHANNEL & LEVEE OF RODMAN SLOUGH USGS_RR_ID_MEMO: WORK_DESC: Entry Last Updated : 1/27/2020	USGSQUAD_EGIS 8626		
17	4.79	4.79	Fence	Chain Link	Land Side	Fence across the levee (no gate). (ABO No. 11462-Hobson) Entry Last Updated : 10/25/2017	H_LL_GENERAL 11462		
224	4.84	4.84	Aerial	High Voltage	Crossing	Power lines cross levee Entry Last Updated : 2/21/2020	LEVEELOG 8626		
223	4.84	4.84	Structure	Pole - Utility	Land Side	Power pole on LS toe Entry Last Updated : 11/29/2017	LEVEELOG 8626		
123	5.34	5.43	At Grade	Road / Highway	Crown	Widened levee section. Crown is 11 ft wide, appears to be PL 84-99 repair area. Section is 90 ft long. Entry Last Updated : 1/27/2020	USACEINSPECT		

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Entry No	Levee Mile		Category	Item	Location	Comment	Source	
	Start	End					Permits	
19	5.34	5.34	UCIP	Pipe	Crossing	DS_ID:847 EP_NO: 11469 Crossing Status: Found FIELD_STRUCT_DESC: 1 of 2: 16-inch steel drainage pipe through the levee, 5 feet below the crown. Drainage pumping plant on the landside (LS). Flap gate on the waterside (WS) end. (one 16-inch and one 36-inch pipes [HLM 5.43] authorized under Automatic Board Order (ABO) issued as Permit No. 11469, 1975 - RD 2070). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.43). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 5.43), listed as 16-inch pipe]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11469	
20	5.35	5.35	UCIP	Pipe	Crossing	DS_ID:853 EP_NO: 11469 Crossing Status: Found FIELD_STRUCT_DESC: 2 of 2: 36-inch steel drainage pipe through the levee, 5 feet below the crown. Flap gate and air vent on the waterside (WS) slope. (one 36-inch and one 16-inch pipes [HLM 5.43] authorized under Automatic Board Order (ABO) issued as Permit No. 11469, 1975 - RD 2070). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.43). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 5.43), listed as 36-inch pipe]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11469	
225	5.67	5.74	Ditches	Unlined	Land Side	1x2 foot ditch at LS toe Entry Last Updated : 11/29/2017	LEVEELOG	
22	5.78	5.78	UCIP	Pipe	Crossing	DS_ID:848 EP_NO: 11457 Crossing Status: Found FIELD_STRUCT_DESC: 24-inch drainage pipe under patrol road and through the levee, 13.5 feet below the crown. Concrete "U" shaped headwall on the landside (LS) end. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Riser unit is mounted on concrete base. (24-inch pipe [HLM 5.87] authorized under Automatic Board Order (ABO) issued as Permit No. 11457, 1975 - Crawford). [Additional Reference(s): DWR Levee Log, 2005 (HLM 5.87). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 5.87), listed as 24-inch pipe]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11457	
131	5.81	5.81	Structure	Other	Land Side	Sandbag ring around seepage point (obs 0119) on LS PE. Sandbag ring starts 5 ft from LS toe; 20 ft by 15 ft and 5 ft tall. Seepage point at day light point of pipe crossing on 0102. No water nor active seepage observed. Entry Last Updated : 1/27/2020	USACEINSPECT	

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Entry No	Levee Mile		Category	Item	Location	Comment	Source
	Start	End					Permits

25	5.88	5.88	Gate	Metal	Crossing	Cross fence, metal dive gates. Entry Last Updated : 10/25/2017	H_LL_GENERAL
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226	5.93	5.96	Ditches	Unlined	Land Side	Ditch at LS toe Entry Last Updated : 2/21/2020	LEVEELOG
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26	5.94	5.94	Ramp	Ramp	Land Side	Access ramp on LS slope. Ramp is 15 ft wide and gravel surfaced. Patrol road leaves levee crown to LS PE. 11467 Authorizes two ramps on landward slope. Entry Last Updated : 2/21/2020	H_LL_GENERAL 11467
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28	5.96	5.96	UCIP	Pipe	Crossing	DS_ID:849 EP_NO: 11467 Crossing Status: Found FIELD_STRUCT_DESC: [Highland Canal Diversion Weir and Drainage] 1 of 2: 54-inch corrugated metal drainage pipe through the levee 11.5 feet below the crown. Highland Canal Diversion Weir and Drainage Structure on the landside (LS). Concrete headwall on both landside (LS) and waterside (WS) toe with flap gate on the WS toe. (two 54-inch pipes [HLM 6.05] authorized under Automatic Board Order (ABO) issued as Permit No. 11467, 1975 - Modglin). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.05). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 6.05), listed as two 54-inch pipes]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11467
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227	5.96	5.96	Structure	Floodgate	Land Side	Concrete drainage control structure on LS toe Entry Last Updated : 2/21/2020	LEVEELOG 11467
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29	5.96	5.96	UCIP	Pipe	Crossing	DS_ID:854 EP_NO: 11467 Crossing Status: Found FIELD_STRUCT_DESC: [Highland Canal Diversion Weir and Drainage] 2 of 2: 54-inch corrugated metal drainage pipe through the levee, 11.5 feet below the crown. Highland Canal Diversion Weir and Drainage Structure on the landside (LS). Concrete headwall on both landside (LS) and waterside (WS) toe with flap gate on the WS toe. (two 54-inch pipes [HLM 6.05] authorized under Automatic Board Order (ABO) issued as Permit No. 11467, 1975 - Modglin). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.05). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 6.05), listed as two 54-inch pipes]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11467
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30	5.96	5.96	Ramp	Ramp	Water Side	Ramp on waterward slope. (ABO No.11469-R.D. No. 2070)	H_LL_GENERAL 11469
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Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspector
Unit No. 01 Lake County Sutter Maintenance Yard - Middle Creek	Left	3.87	Luz Dial

Entry No	Levee Mile		Category	Item	Location	Comment	Source
	Start	End					Permits

149	5.96	6.00	Ditches	Unlined	Land Side	Ditch at LS toe opening to open water Entry Last Updated : 12/7/2017	LEVEELOG
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4	5.99	5.99	UCIP	Pipe		DS_ID:20589 EP_NO: Crossing Status: Found FIELD_STRUCT_DESC: *REMOVED* 12-inch high-density polyethylene (HDPE) drainage pipe through the levee, 1.5 feet below the crown. No permit has been identified since crossing was field discovered in 2012. Entry Last Updated : 4/17/2021	UCIPAPR2021
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33	6.00	6.00	UCIP	Pipe	Crossing	DS_ID:20587 EP_NO: Crossing Status: Found FIELD_STRUCT_DESC: 4-inch polyvinyl chloride (PVC) conduit of an unknown purpose through the levee, 2 feet below the crown, with plastic pipe running through it to pump on the landside (LS). No permit has been identified since crossing was field discovered in 2012. Entry Last Updated : 4/17/2021	UCIPAPR2021
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32	6.00	6.00	UCIP	Pipe	Crossing	DS_ID:20588 EP_NO: Crossing Status: Found FIELD_STRUCT_DESC: 4-inch polyvinyl chloride (PVC) conduit of an unknown purpose through the levee, 2 feet below the crown, with hydraulic lines running through it to pump on the landside (LS) shoulder. No permit has been identified since crossing was field discovered in 2012. Entry Last Updated : 4/17/2021	UCIPAPR2021
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34	6.00	6.00	UCIP	Pipe	Crossing	DS_ID:850 EP_NO: 11467 Crossing Status: Found FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, 2 feet below the crown. Butterfly valve on the landside (LS) shoulder. Pump and electrical panel, along with multiple valves and appurtenances, on the LS shoulder. (12-inch pipe [HLM 6.11] authorized under Automatic Board Order (ABO) issued as Permit No. 11467, 1975 - B. F. Modglin). [Additional Reference(s): DWR Levee Log, 2005 (HLM 6.11). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 6.11), listed as 12-inch pipe]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11467
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133	6.02	6.02	Structure	Sign	Land Side	Camera mounted on 2 inch dia steel post embedded in concrete. Post on LS hinge at location of ramp obs 0018. Entry Last Updated : 1/27/2020	USACEINSPECT
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Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspector
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Entry No	Levee Mile		Category	Item	Location	Comment	Source
	Start	End					Permits

27	6.03	6.03	Gate	Metal	Crown	Cross fence, metal drive gate. (ABO No.11464-Lake County) Entry Last Updated : 10/25/2017	H_LL_GENERAL 11464
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38	6.03	6.03	Non-Project Levee	Extension	Crown	End of left bank levee of drainage slough. Mileage continues on left bank levee of Middle Creek. Note: Levee section is not accessible to vehicular traffic. Entry Last Updated : 10/25/2017	H_LL_GENERAL
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35	6.04	6.04	Ramp	Ramp	Land Side	Ramp on landward slope. (ABO No.11467-Modglin) Entry Last Updated : 10/25/2017	H_LL_GENERAL 11467
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230	6.19	7.10	At Grade	Road / Highway	Land Side	Patrol road submerged Entry Last Updated : 1/31/2018	LEVEELOG
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170	6.31	6.31	Structure	Other	Crown	Widened levee section on WS slope; 100 ft wide 40 ft long. Widened crown is sod covered. Entry Last Updated : 1/27/2020	USACEINSPECT
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177	6.58	6.58	Structure	Sign	Water Side	Sign on t-post on WS hinge. Entry Last Updated : 1/27/2020	USACEINSPECT
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39	7.11	7.11	Ramp	Ramp	Land Side	Access ramp on LS slope. Ramp is 10 ft wide and gravel surfaced. Levee patrol road leaves crown Entry Last Updated : 1/27/2020	H_LL_GENERAL 11467
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						Ramp on landward slope. (ABO No.11467-Modglin) Entry Last Updated : 10/25/2017	11467
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41	7.16	7.16	UCIP	Pipe	Crossing	DS_ID:851 EP_NO: 11467 Crossing Status: Found FIELD_STRUCT_DESC: 1 of 2: 16-inch steel drainage pipe through the levee, 8 feet below the crown. Drainage pumping plant on the landside (LS). Flap gate on the waterside (WS) end. Steel plate welded on end of pipe at LS toe. (one 16-inch and one 24-inch pipes [HLM 7.79] authorized under Automatic Board Order (ABO) issued as Permit No. 11467, 1975 - Modglin). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.19). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 7.19), listed as 16-inch pipe]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11467
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Sutter Maintenance Yard Maintenance Area 0017

Waterway	Bank	Unit Miles	Inspector
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Entry No	Levee Mile		Category	Item	Location	Comment	Source
	Start	End					Permits

42	7.16	7.16	UCIP	Pipe	Crossing	DS_ID:855 EP_NO: 11467 Crossing Status: Found FIELD_STRUCT_DESC: 2 of 2: 24-inch steel drainage pipe through the levee, 8 feet below the crown. Drainage pumping plant on the landside (LS). Flap gate on the waterside (WS) end. (one 16-inch and one 24-inch pipes [HLM 7.79] authorized under Automatic Board Order (ABO) issued as Permit No. 11467, 1975 - Modglin). [Additional Reference(s): DWR Levee Log, 2005 (HLM 7.19). USACE Sacramento O&M Manual, Unit 506 Part 3 (506.3), 1967, (HLM 7.19), listed as 24-inch pipe]. Entry Last Updated : 4/17/2021	UCIPAPR2021 11467
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187	7.28	7.28	Gate	Metal	Land Side	As-built 4-4-29. Locked crown road access gate. Chain link vehicle and pedestrian gates mounted on 2.5 inch steel posts with concrete bases. 4 strand barbed wire fence along both sides of ramp to Nice-Lucerne Cutoff Rd. Entry Last Updated : 1/27/2020	USACEINSPECT
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191	7.28	7.28	Mark	Marker	Land Side	MA 17 mile marker 7.32 on WS hinge. Entry Last Updated : 1/27/2020	USACEINSPECT
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43	7.28	7.28	At Grade	Road / Highway	Crown	End of left bank levee of Middle Creek at Nice-Lucerne cut off road. Entry Last Updated : 10/25/2017	H_LL_GENERAL
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229	7.29	7.29	Aerial	High Voltage	Crossing	Power line crosses levee at Nice - Lucerne cutoff Entry Last Updated : 2/21/2020	LEVEELOG
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190	7.29	7.29	Ramp	Ramp	Land Side	Access ramp from Nice-Lucerne Cutoff Rd to levee crown. Ramp is 15 ft wide and gravel surfaced. No USACE permit review. Entry Last Updated : 1/27/2020	USACEINSPECT
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